

Technical Data Sheet Type 2000



2/2-way pressure controlled valve
NC - Valve normally closed

Direct pressure controlled valve. The valve seat is opened against a spring force via the control medium.

■ Valve for clean, gaseous and liquid media

TECHNICAL SPECIFICATIONS

Type of control	Direct pressure operated
Design	Poppet design
Connection	Threaded acc. to DIN 228/1 (BSP)
Installation	Preferable with actuator upright
Pressure	0 - 40 bar (see table on page 2)
Medium	Clean, neutral, gaseous and liquid media
max. viscosity	600 mm ² /s
Temperature range	Medium: -40 °C up to +200 °C Ambient: -10 °C up to +60 °C Depending on the sealing material
Body material	Red brass Rg-5 Stainless steel 1.4408
Metallic inner parts	Brass and Stainless steel
Sealing	NBR, PTFE Seat PTFE
Pilot pressure	4 - 10 bar
Pilot medium	Clean and neutral gases

Pilot valve	2/131-31-1702-C182
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3/2-way direct operated, NC
G1/8, orifice 1.5mm, 0-8 bar
Aluminum / Stainless steel / FKM
with Cnomo-coil as well as with
integrated screw connection for
easy assembly

Pilot valve	A7231/1002/...
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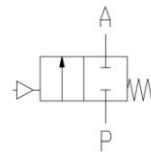
3/2-way direct operated, NC
G1/8, orifice 1.5mm, 0-8 bar
Brass / Stainless steel / FKM

VALVE FEATURES

- No pressure difference required
- High life time
- Simple compact valve design
- Reliable and sturdy sealing elements
- Long-term availability of spare parts

FUNCTION

NC – non pressurized closed



CERTIFICATES



ORDERING SYSTEM

Type	Connect.	Housing	Seal	Actuator
2 0 0 0	- 2 3	- 1 1	0 1	- 7 1 0 5
23	G 1/2	08	St. steel 1.4408	7. Normally closed
24	G 3/4	11	Red brass RG5	. 1 Standard actuator
25	G 1			. 5 Act. chem. nickel pl.
26	G 1 1/4		01 NBR	
27	G 1 1/2		04 PTFE	
28	G 2			. 5 50 mm . 8 80 mm

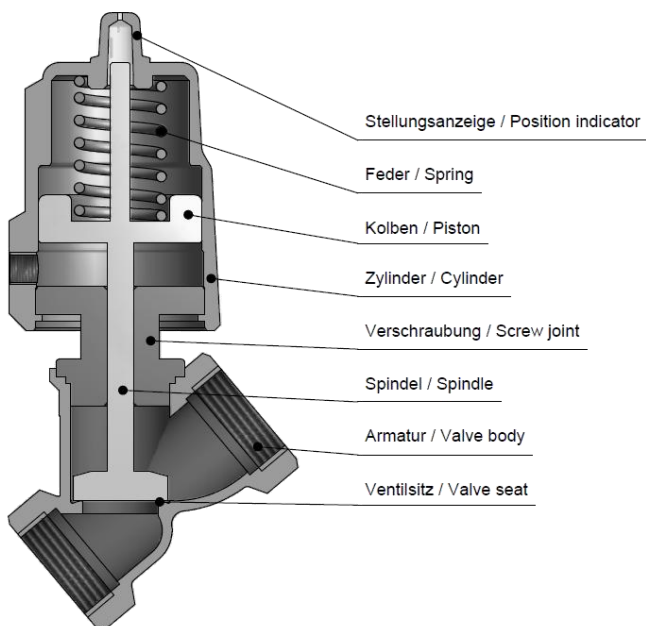
TECHNICAL FEATURES

Type 2000

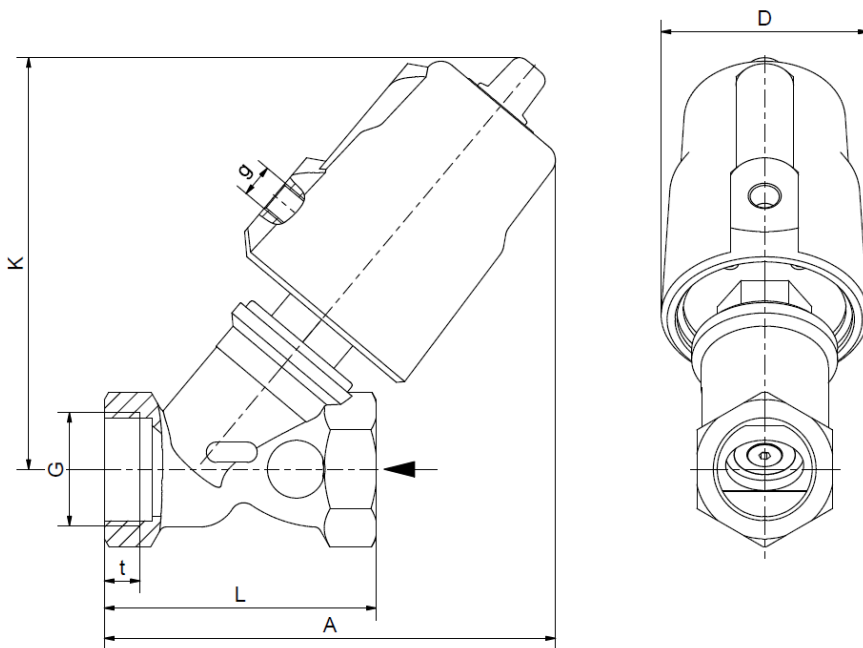
				max. pressure with actuator			
				7.05		7.08	
G	Seat Ø mm	Kv-value m³/h	Standard type	Red brass	St. steel	Red brass	St. steel
1/2	12	4,6	2000-23-..01(04)-	0-16	0-40	-	-
3/4	16	6,4	2000-24-..01(04)-	0-16	0-20	-	0-40
1	23	8,4	2000-25-..01(04)-	0-16	0-16	0-16	0-25
1 1/4	29	21,5	2000-26-..01(04)-	0-10	0-10	0-16	0-25
1 1/2	35	27,0	2000-27-..01(04)-	0-8	0-8	0-16	0-20
2	43	45,0	2000-28-..01(04)-	0-4	0-4	0-12	0-12

				max. pressure for design closing against the flow			
				7.15 / 7.55		7.58	
G	Seat Ø mm	Kv-value m³/h	Standard type	red brass	st. steel	red brass	st. steel
1/2	12	4,6	2000-23-..01(04)-	0-16	0-40	-	-
3/4	16	6,4	2000-24-..01(04)-	0-16	0-20	-	0-40
1	23	8,4	2000-25-..01(04)-	0-10	0-10	0-16	0-22
1 1/4	29	21,5	2000-26-..01(04)-	0-7	0-7	0-10	0-10
1 1/2	35	27,0	2000-27-..01(04)-	0-6	0-6	0-8	0-8
2	43	45,0	2000-28-..01(04)-	0-3	0-3	0-5	0-5

Values in brackets refer to the standard sealing material for stainless steel version
 Specification of pressure valid for at least 6 bar control pressure



DIMENSIONS



Actuator	7.05					
Type	2000-23	2000-24	2000-25	2000-26	2000-27	2000-28
G	1/2	3/4	1	1 1/4	1 1/2	2
A	123	130	133	153	162	171
D	62	62	62	62	62	62
K	113	118	122	139	146	155
L	66 (65)	75 (75)	80 (90)	97 (110)	107 (120)	124 (150)
g	1/8	1/8	1/8	1/8	1/8	1/8
t	13 (12)	15 (13)	11 (15)	13 (17)	15 (19)	17 (21)
kg	1,3	1,4	1,5	2,0	2,3	3,0

The values in brackets apply to the stainless steel version.

Actuator	7.08				
Type	2000-24	2000-25	2000-26	2000-27	2000-28
G	3/4	1	1 1/4	1 1/2	2
A	174	175	185	192	203
D	94	94	94	94	94
K	170	168	174	181	190
L	75 (75)	80 (90)	97 (110)	107 (120)	124 (150)
g	1/8	1/8	1/8	1/8	1/8
t	15 (13)	11 (15)	13 (17)	15 (19)	17 (21)
kg	1,6	1,8	2,2	2,5	3,3

The values in brackets apply to the stainless steel version.

INFORMATION

- It is imperative to observe the installation and safety instructions in our operating and service manuals.
- For information on our GSR ordering code, please refer to our catalogs. If you have any questions, we will be glad to assist you.
- Required ordering information: valve type, function NC/NO, pressure range, connection, nominal width, medium, flow rate, medium and ambient temperatures, connection voltage.
- **Detailed production-specific drawings and other technical information will be made available when an order is placed**

PLEASE NOTE

Each individual application decides which valve type is required, the main factor being the resistance of the materials to the operating medium. The correct selection of materials requires knowledge of the concentration, temperature and degree of contamination of the medium. Other criteria include the operating pressure and max. volumetric flow, since , in addition to high temperatures , high pressures and high flow rates must also be taken into account when selecting the materials.

All materials used for our valves, be it housing, seals or magnets, will be carefully selected in view of the different application areas. Any information given is non-binding and serves for orientation only. No claims under warranty can be derived therefrom.

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Stand: 01.19, MK-MG, Version 1